

Success **STORIES**

Army HSMS Program

FortCampbell, Kentucky Pollution Prevention Operations Center



FortCampbell

*F*ort Campbell, one of the nation's premier power projection platforms and home to the famed 101st Airborne Division, is one of the Army's greatest Pollution Prevention Operations Center (PPOC) successes.

Central**Management**

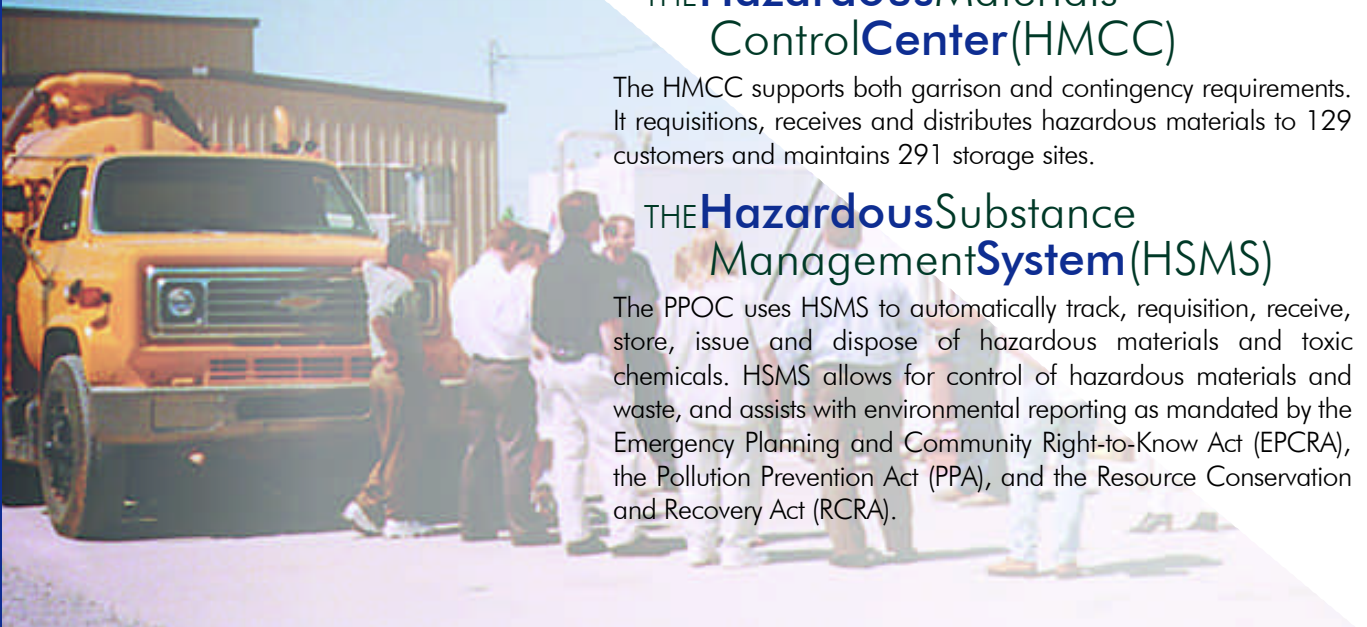
The Pollution Prevention Operations Center centrally controls and tracks hazardous materials storage and use on an installation. Fort Campbell implemented this concept early in Fiscal 1996 and plans to have full operational capability (FOC) by Fiscal 2000. The PPOC ensures proper management for the requisition, receipt, distribution, and storage and disposal of all hazardous materials, hazardous waste, and recyclable fuels/oils at Fort Campbell. This "cradle to grave" concept has minimized waste and increased regulatory compliance. The PPOC has enhanced combat readiness, improved economics, augmented environmental compliances, and improved worker safety. Under the PPOC umbrella the following programs contribute significantly to the complete cradle-to-grave management cycle.

THE **Hazardous**Materials Control**Center**(HMCC)

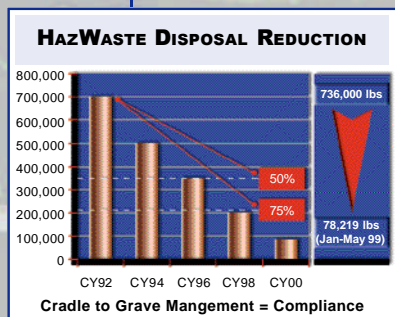
The HMCC supports both garrison and contingency requirements. It requisitions, receives and distributes hazardous materials to 129 customers and maintains 291 storage sites.

THE **Hazardous**Substance Management**System**(HSMS)

The PPOC uses HSMS to automatically track, requisition, receive, store, issue and dispose of hazardous materials and toxic chemicals. HSMS allows for control of hazardous materials and waste, and assists with environmental reporting as mandated by the Emergency Planning and Community Right-to-Know Act (EPCRA), the Pollution Prevention Act (PPA), and the Resource Conservation and Recovery Act (RCRA).



Fort Campbell Pollution Prevention Operations Center



FOR **more**
Information

Jerry Merryman
Chief, Pollution Prevention Branch
Public Works Business Center
Environmental Division
(502) 798-9767
merrymanj@emh2.campbell.army.mil

Written by
Elaine L. Hicks
hickse@emh2.campbell.army.mil

ShelfLifeManagement

Shelf life management also reduces hazardous waste by providing on-site product serviceability, which avoids unnecessary disposal and guarantees reuse. Procurement/disposal cost avoidance in Fiscal 1998 was \$1,527,748; the cost avoidance for the first half of Fiscal 1999 was \$1,706,561.

PartsWashers and WeaponCleaners

This program manages 300 parts washers and weapon cleaners, uses non-toxic/nonhazardous solvents, offers on-site recycling and services 190 units installationwide. Fiscal 1998 cost avoidance was \$115,800; cost avoidance through April 1999 was \$142,415, with a projected annual cost avoidance of \$244,345.

UsedOil

The PPOC also collects, assesses, stores, controls and recycles used petroleum, oil and lubricants. The PPOC has transported an average of 100,000 gallons of used oil/fuel for recycling since 1997.

WasteStreams

During 1997 and 1998, the PPOC implemented 25 process modifications and more than 100 material substitutions, thereby reducing the amount of hazardous materials and toxic chemicals entering Fort Campbell's waste stream by 70%.

AntifreezeManagement

Fort Campbell uses large amounts of antifreeze, which contains ethylene glycol. In 1997, an on-site antifreeze recycling center was established. From 1997 to 1998, the post recycled 12,748 gallons of used antifreeze reducing toxic chemicals by 51%. The acquisition avoidance saved taxpayers \$59,484.

HazardousWasteAccumulationPoint

The PPOC's single hazardous waste accumulation point provides hazardous waste collection, classification, analysis, bulking, labeling, tracking and manifestation. Cradle-to-grave management has minimized waste and increased regulatory compliance. In 1996, Fort Campbell disposed of 339,800 pounds of waste at a cost of \$436,000. In 1998, the PPOC disposed of 180,000 pounds of waste at a cost of \$160,000. Disposal through April 1999 was 78,219 pounds at a cost of \$49,137, with a projected annual avoidance of \$340,000.

TotalCostAvoidance

The total cost avoidance from the entire PPOC for Fiscal 1998 was \$1,737,837. The cost avoidance for the first half of Fiscal 1999 was \$1,867,700. The yearly cost avoidance for Fiscal 1999 is projected to exceed \$2 million.

Goals

The PPOC is striving for postwide program implementation by Fiscal 2000, increased material management to include lithium batteries and compressed gases; and long-term, complete hazardous material management.